Vendor: Microsoft

Exam Code:DP-500

Exam Name: Designing and Implementing Enterprise-Scale Analytics Solutions Using Microsoft Azure and Microsoft Power BI

Version: Demo

QUESTION 1

You are using a Python notebook in an Apache Spark pool in Azure Synapse Analytics. You need to present the data distribution statistics from a DataFrame in a tabular view. Which method should you invoke on the DataFrame?

A. freqltems

B. explain

C. rollup

D. summary

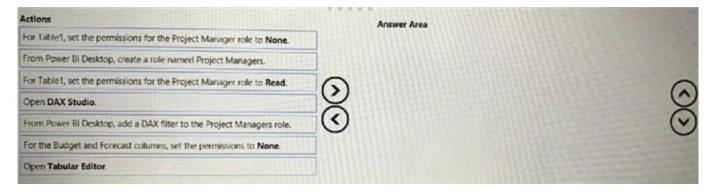Correct Answer: D

QUESTION 2

DRAG DROP

You have a Power BI dataset that contains two tables named Table1 and Table2. The dataset is used by one report.
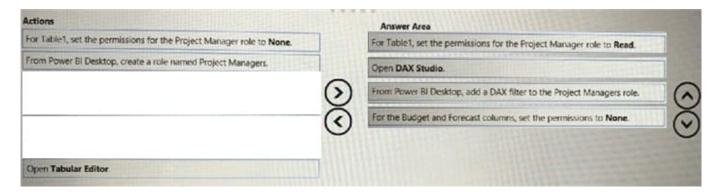
You need to prevent project managers from accessing the data in two columns in Table1 named Budget and Forecast.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions	Answer Area
For Table1, set the permissions for the Project Manager role to **None**.	
From Power BI Desktop, create a role named Project Managers.	
For Table1, set the permissions for the Project Manager role to **Read**.	
Open **DAX Studio**.	
From Power BI Desktop, add a DAX filter to the Project Managers role.	
For the Budget and Forecast columns, set the permissions to **None**.	
Open **Tabular Editor**	

Correct Answer:

Actions	Answer Area
For Table1, set the permissions for the Project Manager role to **None**.	For Table1, set the permissions for the Project Manager role to **Read**.
From Power BI Desktop, create a role named Project Managers.	Open **DAX Studio**.
	From Power BI Desktop, add a DAX filter to the Project Managers role.
	For the Budget and Forecast columns, set the permissions to **None**.
Open **Tabular Editor**	

QUESTION 3

You are using a Python notebook in an Apache Spark pool in Azure Synapse Analytics. You need to present the data distribution statistics from a DataFrame in a tabular view. Which method should you invoke on the DataFrame?

A. summary

B. explain

C. cov

D. corr

Correct Answer: A

QUESTION 4

You have a Power BI dataset named Dataset1.

In Dataset1, you currently have 50 measures that use the same time intelligence logic.

You need to reduce the number of measures, while maintaining the current functionality.

Solution: From Tabular Editor, you create a calculation group.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

QUESTION 5

You are using a Python notebook in an Apache Spark pool in Azure Synapse Analytics. You need to present the data distribution statistics from a Data Frame in a tabular view. Which method should you invoke on the Data Frame?

A. sample

B. describe

C. freqItems

D. explain

Correct Answer: B

You have a Power BI report that contains the table shown in the following exhibit.

Store ID	Store	Returns
6	Leo	$6,108
5	Fama	$6,097
13	Contoso	$5,214
11	Pomum	$4,968
7	VanArsdel	$4,964
10	Pirum	$4,644
2	Aliqui	$4,479
1	Abbas	$4,070
8	Natura	$3,376
14	Victoria	$2,317
4	Salvus	$2,296
12	Quibus	$2,208
3	Barba	$1,601
Total		$52,342

The table contains conditional formatting that shows which stores are above, near, or below the monthly quota for returns. You need to ensure that the table is accessible to consumers of reports who have color vision deficiency. What should you do?
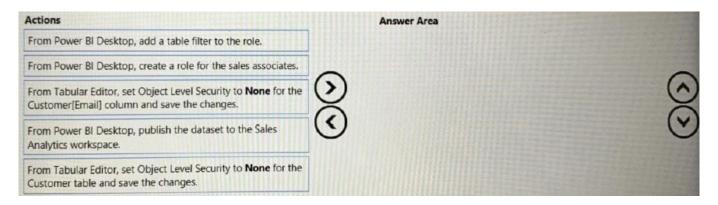
A. Add alt text to explain the information that each color conveys.

B. Move the conditional formatting icons to a tooltip report.

C. Change the icons to use a different shape for each color.

D. Remove the icons and use red, yellow, and green background colors instead.
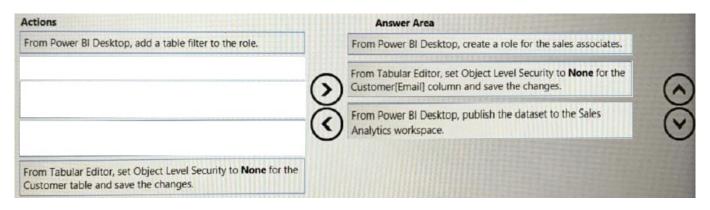
Correct Answer: C

QUESTION 7

You need to implement object-level security (OLS) in the Power BI dataset for the sales associates.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions	Answer Area
From Power BI Desktop, add a table filter to the role.	
From Power BI Desktop, create a role for the sales associates.	
From Tabular Editor, set Object Level Security to **None** for the Customer[Email] column and save the changes.	
From Power BI Desktop, publish the dataset to the Sales Analytics workspace.	
From Tabular Editor, set Object Level Security to **None** for the Customer table and save the changes.	

Correct Answer:

Actions	Answer Area
From Power BI Desktop, add a table filter to the role.	From Power BI Desktop, create a role for the sales associates.
	From Tabular Editor, set Object Level Security to **None** for the Customer[Email] column and save the changes.
	From Power BI Desktop, publish the dataset to the Sales Analytics workspace.
From Tabular Editor, set Object Level Security to **None** for the Customer table and save the changes.	

QUESTION 8

You need to recommend a solution to ensure that sensitivity labels are applied. The solution must minimize administrative effort. Which three actions should you include in the recommendation? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. From the Power BI Admin portal, set Allow users to apply sensitivity labels for Power BI content to Enabled.

B. From the Power BI Admin portal, set Apply sensitivity labels from data sources to their data in Power BI to Enabled.

C. In SQLDW. apply sensitivity labels to the columns in the Customer and CustomersWithProductScore tables.

D. In the Power BI datasets, apply sensitivity labels to the columns in the Customer and CustomersWithProductScore tables.

E. From the Power BI Admin portal, set Make certified content discoverable to Enabled.

Correct Answer: ABC

QUESTION 9

Your company is migrating its current, custom-built reporting solution to Power BI.

The Power BI tenant must support the following scenarios:

40 reports that will be embedded in external websites. The websites control their own security. The reports will be consumed by 50 users monthly. Forty-five users that require access to the workspaces and apps in the Power BI Admin portal.

Ten of the users must publish and consume datasets that are larger than 1 GB. Ten developers that require Text Analytics transformations and paginated reports for datasets. An additional 15 users will consume the reports.

You need to recommend a licensing solution for the company. The solution must minimize costs. Which two Power BI license options should you include in the recommendation? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. 70 Premium per user

B. one Premium

C. 70 Pro

D. one Embedded

E. 35 Pro

F. 35 Premium per user

Correct Answer: BE

Since we need 45 users to have access to the workspaces and apps, 35 Premium Per user would not work because for the Premium Per User workspace content to be accessed we need that all users have Premium Per User. So even if we go for Premium Per User, then we need to purchase it for 70 users.

Also, since we want to publish reports to web and not embed to the app, I would not consider Embedded capacity.

Another important thing is to minimize the cost. We can use Premium capacity for publishing the reports to web, supporting Text Analytics transformations and paginated reports and having dataset more than 1GB. For the users who will be actively busy with development we can purchase 35 pro licenses (IMO 20 pro account is enough).

QUESTION 10

You are attempting to configure certification for a Power BI dataset and discover that the certification setting for the dataset is unavailable. What are two possible causes of the issue? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. The workspace is in shared capacity.

B. You have insufficient permissions.

C. Dataset certification is disabled for the Power BI tenant.

D. The sensitivity level for the dataset is set to Highly Confidential.

E. Row-level security (RLS) is missing from the dataset.

Correct Answer: BC

Explanation: https://learn.microsoft.com/en-us/power-bi/collaborate-share/service- endorsement-overview Reference: https://docs.microsoft.com/en-us/power-bi/admin/service-admin-setup- certification https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-endorse-content

---

QUESTION 11

You have a file named File1.txt that has the following characteristics: A header row Tab delimited values UNIX-style line endings

You need to read File1.txt by using an Azure Synapse Analytics serverless SQL pool.

Which query should you execute?

A.
```
SELECT *
FROM OPENROWSET(
  BULK 'file1.txt',
  DATA_SOURCE = 'Sql1',
  FORMAT = 'CSV', PARSER_VERSION = '2.0',
  FIELDTERMINATOR ='\t',
  ROWTERMINATOR = '0x0a',
  FIRSTROW = 2
)
```

B.
```
SELECT *
FROM OPENROWSET(
  BULK 'file1.txt',
  DATA_SOURCE = 'Sql1',
  FORMAT = 'CSV', PARSER_VERSION = '2.0',
  FIELDTERMINATOR =',',
  ROWTERMINATOR = '\n',
  FIRSTROW = 2
)
```

C.
```
SELECT *
FROM OPENROWSET(
  BULK 'file1.txt',
  DATA_SOURCE = 'Sql1',
  FORMAT = 'CSV', PARSER_VERSION = '2.0',
  FIELDTERMINATOR =',',
  ROWTERMINATOR = '0x0a',
  FIRSTROW = 2
)
```

D.
```
SELECT *
FROM OPENROWSET(
  BULK 'file1.txt',
  DATA_SOURCE = 'Sql1',
  FORMAT = 'CSV', PARSER_VERSION = '2.0',
  FIELDTERMINATOR ='\t',
  ROWTERMINATOR = '0x0a',
  FIRSTROW = 1
)
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 12

You have five Power BI reports that contain R script data sources and R visuals.

You need to publish the reports to the Power BI service and configure a daily refresh of datasets.

What should you include in the solution?

A. a Power BI Embedded capacity

B. an on-premises data gateway (standard mode)

C. a workspace that connects to an Azure Data Lake Storage Gen2 account

D. an on-premises data gateway (personal mode)

Correct Answer: D